UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2

DATE: October 2, 2012

SUBJECT: Class III Mechanical Integrity Tests, U.S. Salt Facility, Route 20, Watkins Glen, NY

FROM: Frank C. Brock, Geologist
Ground Water Compliance Section

TO: Amy Vinciguerra, Acting Chief
Ground Water Compliance Section

The following Mechanical Integrity Test activities were witnessed by me on September 28, 2012. Mr. Barry Moon of U.S. Salt performed the tests and Linda Collart from the New York State Department of Environmental Conservation, Region 8 office in Avon, NY was also present to observe the tests and the well location conditions. Prior to running the tests, Mr. Moon showed us the cement bond logs on the two wells. Both appeared to have adequate cement jobs on the casing.

WELL NUMBER	Well Notes	MIT Results
U.S. Salt Well #64	The well number is not yet marked. The wellsite is clean. There is a concrete pad around the wellhead to prevent fluids from running down the outside of the conductor pipe.	A one-hour standard pressure test was run on the well with digital gauges and chart recorders monitoring the tubing pressure and the tubing/casing annulus pressure. Recorded times and pressures were as follows: 9:04 am: Tubing Gauge Pressure 506.2 psig Tubing Chart Recorder 490 psig Annulus Pressure Gauge 510 psig Annulus pressure Chart Recorder 520 psig 9:15 am: Tubing Gauge Pressure 505 psig Tubing Chart Recorder 490 psig Annulus Pressure Gauge 510 psig Annulus pressure Chart Recorder 520 psig 9:40 am: Tubing Gauge Pressure 502.3 psig Tubing Chart Recorder 480 psig Annulus Pressure Gauge 510 psig Annulus pressure Chart Recorder 520 psig 10:05 am: Tubing Gauge Pressure 499.8 psig Tubing Chart Recorder 480 psig Annulus Pressure Gauge 510 psig Annulus pressure Chart Recorder 520 psig **WELL PASSED THE MIT**

U.S. Salt Well #63	The well number is not yet marked. The wellsite is clean. There is a concrete pad around the wellhead to prevent fluids from running down the outside of the conductor pipe.	A one-hour standard pressure test was run on the well with digital gauges and chart recorders monitoring the tubing pressure and the tubing/casing annulus pressure. Recorded times and pressures were as follows: 11:55 am: Tubing Gauge Pressure 512.3 psig Tubing Chart Recorder 500 psig Annulus Pressure Gauge 510 psig Annulus pressure Chart Recorder 510 psig 12:10 pm: Tubing Gauge Pressure 504.8 psig Tubing Chart Recorder 485 psig Annulus Pressure Gauge 510 psig Annulus pressure Chart Recorder Not recorded 12:27 pm: Tubing Gauge Pressure 498 psig Tubing Chart Recorder 480 psig Annulus Pressure Gauge 510 psig Annulus pressure Chart Recorder 510 psig 12:55 pm: Tubing Gauge Pressure 488.8 psig Tubing Chart Recorder 475 psig Annulus Pressure Gauge 505 psig Annulus pressure Chart Recorder 500 psig Pressure drop per the tubing gauge was 512.3-488.8 = 23.5 psig In order to pass, pressure can drop no more than 5% in 1 hour. 5% of 512.3 psig = 25.6 psig. **WELL PASSED THE MIT**

bcc: L. Rodriguez, U.S. Salt file